



In the United States Patent and Trademark Office

In re application of:

Craig M. Jarchow

Serial No: 09/498,012

Filed: February 4, 2000

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Group Art Unit: 2128

Examiner: Day, Herng Der

Attorney Docket No. APA-001

Title: System for Estimating Thickness of Thin Subsurface Strata

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

**CERTIFICATE OF MAILING**

I certify that this document was deposited with sufficient postage as First Class mail on May 31, 2005 in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

*E. Eugene Thigpen*  
E. Eugene Thigpen

**REPLY UNDER 37 CFR § 1.111**

Sir:

**(A) Introductory Comments**

In response to the Office Action dated November 30, 2004, Applicants respectfully submit the following Response to Office Action for consideration by the Examiner. A Petition for Extension of Time for three months is submitted herewith, along with the fee for the Petition. Because May 30, 2005 is a national holiday, a response is now due on or before May 31, 2005. Reconsideration and Reexamination is respectfully requested.

**Amendments to the claims begin on page 2 of this response**

**Remarks begin on page 7 of the response**